

1644

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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/343,406B

DATE: 05/01/2002 P.6  
 TIME: 12:35:38

Input Set : A:\100564-09014.txt  
 Output Set: N:\CRF3\05012002\I343406B.raw

3 <110> APPLICANT: Endl, Josef  
 4       Stahl, Peter  
 5       Albert, Winfried  
 6       Jung, Guenther-Gerhard  
 7       Schendel, Dolores  
 8       Meinl, Edgar  
 9       Dornmair, Klaus  
 11 <120> TITLE OF INVENTION: ANTIGEN-SPECIFIC ACTIVATED T-LYMPHOCYTES, DETECTION AND USE  
 13 <130> FILE REFERENCE: 100564-09014  
 15 <140> CURRENT APPLICATION NUMBER: 09/343,406B  
 16 <141> CURRENT FILING DATE: 1999-06-30  
 18 <150> PRIOR APPLICATION NUMBER: 08/967,242  
 19 <151> PRIOR FILING DATE: 1997-11-05  
 21 <150> PRIOR APPLICATION NUMBER: 08/374,468  
 22 <151> PRIOR FILING DATE: 1995-01-18  
 24 <150> PRIOR APPLICATION NUMBER: DE P 44 18 091.8  
 25 <151> PRIOR FILING DATE: 1994-05-24  
 27 <150> PRIOR APPLICATION NUMBER: DE P 44 03 522.5  
 28 <151> PRIOR FILING DATE: 1994-02-04  
 30 <150> PRIOR APPLICATION NUMBER: DE P 44 01 629.8  
 31 <151> PRIOR FILING DATE: 1994-01-20  
 34 <160> NUMBER OF SEQ ID NOS: 40  
 36 <170> SOFTWARE: PatentIn version 3.1  
 38 <210> SEQ ID NO: 1  
 39 <211> LENGTH: 24  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Homo sapiens  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: MISC\_FEATURE  
 45 <222> LOCATION: (1)..(10)  
 46 <223> OTHER INFORMATION: "Xaa" is any amino acid and 1 to 10 amino acids may be missing  
 48 <222> LOCATION: (17)..(24)  
 50 <223> OTHER INFORMATION: "Xaa" is any amino acid and 1 to 8 amino acids may be missing  
 W--> 53 <400> 1  
 W--> 55 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Glu Val Lys Thr Lys  
 56    1               5               10               15  
 W--> 58 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 59       20  
 62 <210> SEQ ID NO: 2  
 63 <211> LENGTH: 25  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Homo sapiens  
 67 <400> SEQUENCE: 2

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69 Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser  
70 1 5 10 15

73 His Phe Ser Leu Lys Lys Gly Ala Ala  
74 20 25

77 <210> SEQ ID NO: 3

78 <211> LENGTH: 20

79 <212> TYPE: PRT

80 <213> ORGANISM: Homo sapiens

82 <400> SEQUENCE: 3

84 Glu Arg Gly Lys Met Ile Pro Ser Asp Leu Glu Arg Arg Ile Leu Glu  
85 1 5 10 15

88 Ala Lys Gln Lys  
89 20

92 <210> SEQ ID NO: 4

93 <211> LENGTH: 14

94 <212> TYPE: PRT

95 <213> ORGANISM: Homo sapiens

97 <400> SEQUENCE: 4

99 Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe  
100 1 5 10

103 <210> SEQ ID NO: 5

104 <211> LENGTH: 20

105 <212> TYPE: PRT

106 <213> ORGANISM: Homo sapiens

108 <400> SEQUENCE: 5

110 Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser  
111 1 5 10 15

114 His Phe Ser Leu  
115 20

118 <210> SEQ ID NO: 6

119 <211> LENGTH: 20

120 <212> TYPE: PRT

121 <213> ORGANISM: Homo sapiens

123 <400> SEQUENCE: 6

125 Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser  
126 1 5 10 15

129 Leu Lys Lys Gly  
130 20

133 <210> SEQ ID NO: 7

134 <211> LENGTH: 20

135 <212> TYPE: PRT

136 <213> ORGANISM: Homo sapiens

138 <400> SEQUENCE: 7

140 Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu Lys Lys  
141 1 5 10 15

144 Gly Ala Ala Ala  
145 20

148 <210> SEQ ID NO: 8

149 <211> LENGTH: 20

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Input Set : A:\100564-09014.txt

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150 <212> TYPE: PRT  
151 <213> ORGANISM: Homo sapiens  
153 <400> SEQUENCE: 8  
155 Pro Glu Val Lys Glu Lys Gly Met Ala Ala Leu Pro Arg Leu Ile Ala  
156 1 5 10 15  
159 Phe Thr Ser Glu  
160 20  
163 <210> SEQ ID NO: 9  
164 <211> LENGTH: 18  
165 <212> TYPE: PRT  
166 <213> ORGANISM: Homo sapiens  
168 <400> SEQUENCE: 9  
170 Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe  
171 1 5 10 15  
174 Ser Leu  
178 <210> SEQ ID NO: 10  
179 <211> LENGTH: 16  
180 <212> TYPE: PRT  
181 <213> ORGANISM: Homo sapiens  
183 <400> SEQUENCE: 10  
185 Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe  
186 1 5 10 15  
189 <210> SEQ ID NO: 11  
190 <211> LENGTH: 14  
191 <212> TYPE: PRT  
192 <213> ORGANISM: Homo sapiens  
194 <400> SEQUENCE: 11  
196 Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser  
197 1 5 10  
200 <210> SEQ ID NO: 12  
201 <211> LENGTH: 14  
202 <212> TYPE: PRT  
203 <213> ORGANISM: Homo sapiens  
205 <400> SEQUENCE: 12  
207 Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser  
208 1 5 10  
211 <210> SEQ ID NO: 13  
212 <211> LENGTH: 14  
213 <212> TYPE: PRT  
214 <213> ORGANISM: Homo sapiens  
216 <400> SEQUENCE: 13  
218 Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu  
219 1 5 10  
222 <210> SEQ ID NO: 14  
223 <211> LENGTH: 12  
224 <212> TYPE: PRT  
225 <213> ORGANISM: Homo sapiens  
227 <400> SEQUENCE: 14  
229 Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr

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Input Set : A:\100564-09014.txt  
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230 1 5 10  
233 <210> SEQ ID NO: 15  
234 <211> LENGTH: 18  
235 <212> TYPE: PRT  
236 <213> ORGANISM: Homo sapiens  
238 <400> SEQUENCE: 15  
240 Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu  
241 1 5 10 15  
244 Lys Lys  
248 <210> SEQ ID NO: 16  
249 <211> LENGTH: 14  
250 <212> TYPE: PRT  
251 <213> ORGANISM: Homo sapiens  
253 <400> SEQUENCE: 16  
255 Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu  
256 1 5 10  
259 <210> SEQ ID NO: 17  
260 <211> LENGTH: 14  
261 <212> TYPE: PRT  
262 <213> ORGANISM: Homo sapiens  
264 <400> SEQUENCE: 17  
266 Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe  
267 1 5 10  
270 <210> SEQ ID NO: 18  
271 <211> LENGTH: 12  
272 <212> TYPE: PRT  
273 <213> ORGANISM: Homo sapiens  
275 <400> SEQUENCE: 18  
277 Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser  
278 1 5 10  
281 <210> SEQ ID NO: 19  
282 <211> LENGTH: 14  
283 <212> TYPE: PRT  
284 <213> ORGANISM: Homo sapiens  
286 <400> SEQUENCE: 19  
288 Ile Leu Ile Lys Cys Asp Glu Arg Gly Lys Met Ile Pro Ser  
289 1 5 10  
292 <210> SEQ ID NO: 20  
293 <211> LENGTH: 14  
294 <212> TYPE: PRT  
295 <213> ORGANISM: Homo sapiens  
297 <400> SEQUENCE: 20  
299 Leu Gly Ile Gly Thr Asp Ser Val Ile Leu Ile Lys Cys Asp  
300 1 5 10  
303 <210> SEQ ID NO: 21  
304 <211> LENGTH: 14  
305 <212> TYPE: PRT  
306 <213> ORGANISM: Homo sapiens  
308 <400> SEQUENCE: 21

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Input Set : A:\100564-09014.txt

Output Set: N:\CRF3\05012002\I343406B.raw

310 Leu Ala Phe Leu Gln Asp Val Met Asn Ile Leu Leu Gln Tyr  
311 1 5 10  
314 <210> SEQ ID NO: 22  
315 <211> LENGTH: 14  
316 <212> TYPE: PRT  
317 <213> ORGANISM: Homo sapiens  
319 <400> SEQUENCE: 22  
321 Tyr Asp Leu Ser Tyr Asp Thr Gly Asp Lys Ala Leu Gln Cys  
322 1 5 10  
325 <210> SEQ ID NO: 23  
326 <211> LENGTH: 14  
327 <212> TYPE: PRT  
328 <213> ORGANISM: Homo sapiens  
330 <400> SEQUENCE: 23  
332 Val Ser Tyr Gln Pro Leu Gly Asp Lys Val Asn Phe Phe Arg  
333 1 5 10  
336 <210> SEQ ID NO: 24  
337 <211> LENGTH: 14  
338 <212> TYPE: PRT  
339 <213> ORGANISM: Homo sapiens  
341 <400> SEQUENCE: 24  
343 Leu Ala Ala Asp Trp Leu Thr Ser Thr Ala Asn Thr Asn Met  
344 1 5 10  
347 <210> SEQ ID NO: 25  
348 <211> LENGTH: 14  
349 <212> TYPE: PRT  
350 <213> ORGANISM: Homo sapiens  
352 <400> SEQUENCE: 25  
354 Leu Leu Tyr Gly Asp Ala Glu Lys Pro Ala Glu Ser Gly Gly  
355 1 5 10  
358 <210> SEQ ID NO: 26  
359 <211> LENGTH: 14  
360 <212> TYPE: PRT  
361 <213> ORGANISM: Homo sapiens  
363 <400> SEQUENCE: 26  
365 Val Asn Tyr Ala Phe Leu His Ala Thr Asp Leu Leu Pro Ala  
366 1 5 10  
369 <210> SEQ ID NO: 27  
370 <211> LENGTH: 14  
371 <212> TYPE: PRT  
372 <213> ORGANISM: Homo sapiens  
374 <400> SEQUENCE: 27  
376 Leu Leu Gln Tyr Val Val Lys Ser Phe Asp Arg Ser Thr Lys  
377 1 5 10  
380 <210> SEQ ID NO: 28  
381 <211> LENGTH: 14  
382 <212> TYPE: PRT  
383 <213> ORGANISM: Homo sapiens  
385 <400> SEQUENCE: 28

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 05/01/2002  
PATENT APPLICATION: US/09/343,406B               TIME: 12:35:39

Input Set : A:\100564-09014.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,17,18,19,20,21,22,23,24  
Seq#:40; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,17,18,19,20,21,22,23,24

**VERIFICATION SUMMARY**

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TIME: 12:35:39

Input Set : A:\100564-09014.txt

Output Set: N:\CRF3\05012002\I343406B.raw

L:53 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16  
L:527 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:40  
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16